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Park has an area of somewhat more than 200,000 acres. How bald and uninspiring are statistics! Let it be said, rather, that this is the most beautiful place in the world."

Interesting, illustrated literature may be obtained describing Glacier National Park from H. A. Noble, general passenger agent, Great Northern Railway, St. Paul, Minn., and of Mt. Ranier National Park from the Chicago, Milwaukee & St. Paul Railway, Chicago, Ill., and Seattle, Washington. The following beautifully illustrated publications may be obtained from the superintendent of documents, Washington, D. C., for the price noted:

Some Lakes of Glacier National Park, 10 cents.

Glaciers of Glacier National Park, 15 cents.

Origin of the Scenery Features of the Glacier National Park, 15 cents.

Glacier National Park, with map (Bulletin 600 U. S. Geological Survey), 30 cents.

Mt. Ranier and Its Glaciers, 15 cents.

It is of the utmost importance for the success of this trip that the secretary be informed at the earliest possible moment of the intention of those intending to be present, the accommodations needed and the number of tickets required. In this connection it should be noted that in purchasing tickets free side-trip tickets to the San Diego Exposition from Los Angeles; to Colorado Springs from Denver; to Salt Lake City from Ogden, may be had, by any member of the party returning through these cities if the request for this side trip is made at the time ticket is purchased.

Members of other scientific societies and friends recommended by members of the society will be gladly received on the special train.

CHAS. L. PARSONS,
Secretary

WASHINGTON, D. C.,
Box 505

SCIENTIFIC NOTES AND NEWS

A BANQUET in honor of Dr. William T. Councilman, professor of pathology in the Harvard Medical School and formerly of the Johns Hopkins Medical School, was given in Baltimore, on May 13, by his colleagues and

former students. At the banquet a portrait of Professor Councilman was presented to him.

PROFESSOR R. NEWSTEAD, of the Liverpool School of Tropical Medicine, is in France, prosecuting entomological investigations from the point of view of military sanitation.

PROFESSOR VERNON L. KELLOGG, of Stanford University, sailed for Liverpool on May 29 to join the commission for relief in Belgium. He will spend the summer in volunteer work for the commission.

DR. FRANK G. SPECK, of the department of anthropology of the University of Pennsylvania, is on a leave of absence for his summer's work in the field. He will spend a large part of the summer among the Montagnais and Mistassini Indians, who are tribes of southern Labrador, for the purpose of completing his collection of texts in the native languages of three tribes.

DR. JOHN ULRIC NEF, professor of chemistry and head of the department at the University of Chicago, delivered a lecture on May 21 before the Phi Lambda Upsilon, honorary chemical society of the university. His subject was "The Chemistry of Enzyme Action."

DR. RICHARD M. PEARCE, professor of research medicine at the University of Pennsylvania, addressed on May 21 the Academy of Medicine of Cleveland, his subject being "The Relation of the Spleen to Blood Destruction and Regeneration and to Hemolytic Jaundice." Following the lecture a smoker was given at the University Club in honor of Professor Pearce by the heads of the departments of medicine and of surgery and of the various laboratories of the school of medicine of Western Reserve University.

THE Swarthmore lecture of the Society of Friends, London, was given on May 18, by Professor Silvanus P. Thompson, who spoke on "The Quest for Truth."

IN memory of Dr. Edith J. Claypole, research associate in the department of pathology of the University of California, who died on March 26, 1915, friends of the university have offered an annual gift of \$1,200 to maintain the position of research associate in

pathology, and have made definite provision for an endowment sufficient to yield this income. The immediate purpose of the position is to be a continuance of investigations in which much valuable work has already been accomplished by Dr. Claypole, in collaboration with Dr. F. P. Gay, professor of pathology in the University of California, in regard to improved methods for immunization against typhoid and methods for the treatment of that disease.

THE name of Curie, in honor of the discoverers of radium, has been given to a small park formed by the tearing down of the old rue Dauphine in Paris.

AT commencement at the University of California, honorary degrees were conferred on Chancellor David Starr Jordan and President John Caspar Branner, of Stanford University, and on the Hon. Alfred Deakin, of Melbourne, the first prime minister of the commonwealth of Australia.

AT the recent annual meeting of the Association of American Physicians, held in Washington, Dr. Henry Sewall, Denver, Colo., was elected president, and Dr. George Dock, St. Louis, vice-president.

DR. LLEWELLYS F. BARKER, of the Johns Hopkins Medical School, was elected president of the American Neurological Association at the meeting held recently in New York City.

THERE is exhibited at the Royal Academy this year a portrait of Sir Archibald Geikie, painted by Mr. R. G. Eves for presentation to the Royal Society.

THE Pereira medal of the British Pharmaceutical Society has been awarded to Miss Dora F. White, and its silver and bronze medals to Mr. A. J. Somer and Mr. R. W. Bowles, respectively.

DR. SAMUEL G. DIXON, Philadelphia, whose renomination as Pennsylvania state commissioner of health was sent to the senate by the governor, on May 17, was confirmed on May 18. This is the third reappointment of Dr. Dixon to this position which he has now held for nearly ten years.

DR. ROSCOE W. HALL has succeeded Dr. David K. Henderson as resident physician of the Phipps Clinic of Johns Hopkins Hospital. Dr. Henderson has been appointed superintendent of the Royal Asylum of Scotland, Glasgow.

MR. G. MASSEE has retired from his position as head of the cryptogamic department in the herbarium at the Royal Botanic Gardens, Kew.

A DEPUTATION from the Royal Society and the Chemical Society was received by the presidents of the boards of trade and education on May 6. The deputation was introduced by Sir William Crookes, president of the Royal Society, and Professor W. H. Perkins, Sir William Tilden, Professor P. Frankland, Professor W. J. Pope and Dr. M. O. Forster spoke in support of memorials from the two societies, indicating the steps which might be taken to improve the status and efficiency of the chemical industries and those engaging in them in the United Kingdom.

THE *Irish Naturalist*, as quoted in *Nature*, states that the following naturalists in Ireland are among those who have been given commissions in the army: Professor Gregg Wilson, professor of zoology, and Dr. A. R. Derryhouse, lecturer in geology, Queen's University, Belfast; Professor H. A. Cummins, professor of botany and agriculture, University College, Cork; Mr. C. M. Selbie, of the National Museum, Dublin; Mr. G. P. Farran and Mr. A. B. Hillas, of the Fisheries Office; Mr. H. T. Kennedy and Mr. R. L. Valentine, of the Geological Survey.

MR. CHARLES H. MARTIN, of Abergavenny, was killed in the war on May 3 at the age of thirty-three years. He was known for his researches on the protozoa.

ACCORDING to the *Revue Anthropologique*, two noted French pre-historians, Joseph Déchelette and Captain M. Bourlon, have died at the front. Déchelette will long be remembered for his great work entitled "*Manuel d'archéologie préhistorique, celtique et gallo-romaine*," of which the first volume appeared in 1908 and the third part of the second and last volume in 1914, only a short while before

the outbreak of the war. Captain Bourlon, an enthusiastic and gifted explorer of the paleolithic French caves, had written a number of valuable papers based on his field work.

LADY HUGGINS, who died on March 24, leaving an estate valued at about \$60,000, made, as we learn from *Nature*, the following bequests, among others: A sum not exceeding £1,000 to the Bedford College for Women (University of London); £500, and, if her estate is sufficient, a further sum of £500 for the erection of a memorial in St. Paul's Cathedral to the memory of her husband; £1,000, and if her estate is sufficient, a further sum of £1,000 to the City of London School, Victoria Embankment, for the endowment of a scholarship for the study of astronomy, tenable at Cambridge, to be called the "Sir William Huggins" Scholarship; and a sum of not more than £300 for finishing, editing and illustrating the book on which she was engaged, being the life of her husband. The residue of the estate, if any, is left to the City of London School.

THE department of physiology of Columbia University had recently on exhibition in the students' reading room at the College of Physicians and Surgeons, some of the books belonging to the valuable medical library of the late Professor John G. Curtis, which has been recently acquired by the department. These books comprise first editions or early copies of the leading classical writers on physiology and medicine, and include Hippocrates, Galen, Rufus of Ephesus, Aretæus, Soranus, Ætius, Rhazes, Haly ben Abbas, Avicenna, Mondino, Vesalius, Cesalpino, Eustachius, Colombo, Bonaciolus, Varolius, Vidijs, Wharton, Valsalva, Van Helmont, Mayow, Harvey, Riolan, Malpighi, Leeuwenhoek, Hooke, Swammerdam, Sanctorius, Vieussens, Aselli, de Graaf, Highmore, Brunner, Stensen, Peyer, Huysch, Lieberkühn, Hales, Santorini, Morgagni, Galvani, Lancisi, Whytt, John Hunter and others.

THE Ohio Academy of Science at its annual meeting held recently in Columbus voted to deposit its collection of books, pamphlets, periodicals and other publications of the society in the library of the Ohio State University.

THE American Climatological and Clinical Association will hold its thirty-second annual meeting in San Francisco on June 18 and 19, under the presidency of Dr. Henry Sewall, Denver.

ON June 26 there will be a New York State civil service examination for special assistant in chemistry, Psychiatric Institute, Ward's Island, New York City, at a salary of \$1,200. Candidates will not be required to appear at any place for examination, but will be rated on education, special training, experience and personal qualifications as shown by their sworn statements and by answers to inquiries which the commission may make of their former employers and others acquainted with their experience and qualifications. The duties of this position are that of research assistant in the chemical department of the Psychiatric Institute, and candidates should be able to furnish undisputed evidence of some experience in work in the chemistry of the brain in connection with a research laboratory under the direction of a recognized authority among physiological chemists.

THE *Plant World* announces two prizes which are to be awarded for the best papers embodying original work in any phase of the water relations of plants. The amount of the first prize is \$50, and of the second prize \$10. The offering of these purses is made possible by the generosity of Professor B. E. Livingston and by contributions from Dr. D. T. MacDougal, Professor J. J. Thornber, Dr. J. B. Overton, Dr. H. C. Cowles and Mrs. Edith B. Shreve. Competing papers should be written so as to give no internal evidence of authorship, and should be sent to the editor of the *Plant World* by December 1. The *Plant World* reserves the right to publish any papers submitted in the contest.

DR. STEPHEN SMITH recently received the following resolutions which were passed at the last meeting of the American Public Health Association, held at Jacksonville, Fla., in December:

Resolved, That the American Public Health Association desires to extend to Dr. Stephen Smith,

one of the first organizers of this association in 1872, its congratulations on his continued enjoyment of health and its joy and pleasure in being able to illustrate the outcome of his efforts and those of his colleagues in the present prosperity of the association, which has expanded until it represents the public health interests of four countries and of one hundred and twenty-five million people.

Resolved, That the association wishes Dr. Stephen Smith all of the happiness which the contemplation of a life spent in public service for the amelioration of the sufferings of mankind may bring.

THE St. Lawrence River system is international, and new questions arise almost every year with respect to the proper division of authority over and the use of this great source of water supply. An important report, recently issued by the United States Geological Survey, entitled "Surface Water Supply of St. Lawrence River Basin, 1913" (Water-Supply Paper 354), by C. C. Covert and W. G. Hoyt, contains results of steam-flow measurements made in the St. Lawrence River basin during the year 1913. The report includes measurements on rivers emptying into the St. Lawrence by way of Lake Champlain and the Richelieu in New York and Vermont. The diversion of water for the development of power at Niagara has recently claimed the attention of both the countries interested, and another question quite as important now is that of the propriety of permitting the city of Chicago to divert large volumes of water from Lake Michigan through its drainage canal into Illinois River. By reason of the prospective decrease in the depth of navigable waterways, especially those between Lakes Michigan and Huron, and between Lakes Huron and Erie, protests have been made by the Canadian authorities. The two questions mentioned illustrate the importance of determining accurately the amount of water supplied to the Great Lakes and St. Lawrence system by the tributaries within the United States, because international questions may at any time arise in settling which data of this kind may be of the utmost importance. Water-Supply Paper 354 is the latest of a series of similar annual volumes covering measurements on the

principal streams of the St. Lawrence basin. The work done in Minnesota, New York and Vermont was in cooperation with the state authorities. A copy of the report may be obtained on application to the Director of the U. S. Geological Survey, Washington, D. C.

COLUMBIA UNIVERSITY has appointed the following non-resident lecturers for the 1915-16 session of the graduate course in highway engineering: Charles J. Bennett, state highway commissioner of Connecticut; John A. Benschel, consulting engineer; Will P. Blair, secretary, National Paving Brick Manufacturers' Association; Sumner R. Church, manager, research department, Barrett Manufacturing Company; Frederick A. Cleveland, director, Bureau of Municipal Research, New York; William H. Connell, chief, bureau of highways and street cleaning, Philadelphia; Morris Llewellyn Cooke, director, department of public works, Philadelphia; W. W. Crosby, chief engineer, Maryland Geological and Economic Survey; Charles Henry Davis, president, National Highways Association; A. W. Dow, chemical and consulting paving engineer; Edwin Duffey, commissioner of highways, New York state; Lewis R. Ferguson, assistant secretary, Association of American Portland Cement Manufacturers; C. N. Forrest, chief chemist, the Barber Asphalt Paving Company; Wilson P. Foss, president, the New York Trap Rock Company; Walter H. Fulweiler, chief chemist, the United Gas Improvement Company; E. P. Goodrich, consulting engineer; D. L. Hough, president, the Cuban Engineering and Contracting Company; William A. Howell, engineer of streets and highways, Newark; Nelson P. Lewis, chief engineer, board of estimate and apportionment, New York; Walter R. Marden, vice-president and chief engineer, the United Construction Company; H. B. Pullar, general manager, the Pioneer Asphalt Company; Philip P. Sharples, manager, General Tarvia department, Barrett Manufacturing Company; Francis P. Smith, chemical and consulting paving engineer; Albert Sommer, consulting chemical engineer; George W. Tillson, consulting engineer to the president of the Borough of Brooklyn, New York; John Cassan Wait, attorney at law;

George C. Warren, president, Warren Brothers Company.

UNIVERSITY AND EDUCATIONAL NEWS

DR. LUTHER DANA WATERMAN, of Indianapolis, professor emeritus in the Indiana University School of Medicine, has made a gift to Indiana University amounting to one hundred thousand dollars, subject to an annuity during his life time on the condition that the university appropriate an amount equal to the income from this gift, the entire proceeds to be used for scientific research. The conditions and gift have been accepted by the trustees of the university.

ALBERT BONNHEIM, of Sacramento, has given to the University of California an endowment of \$30,000 with provision for its subsequent increase to \$160,000, the income to be devoted to the maintenance of scholarships.

ANOTHER gift of \$85,000 has been made for the erection of dormitories at Cornell University. This gift comes from the same anonymous contributor of \$250,000 some time ago. Two dormitories under construction are expected to be ready for occupation by September 1.

DR. HENRY ALBERT MATTILL, who recently resigned his chair in the University of Utah, has been appointed assistant professor of nutrition in the University of California.

J. BROWNLEE DAVIDSON, of Iowa Agricultural College, has been called to the University of California to fill a newly established professorship of agricultural engineering. His special work is to be to develop at the University Farm at Davis a testing plant for investigation of the fundamental reasons for efficiency of farm machinery.

HOWARD SPENCER REED, now professor of plant pathology and bacteriology in the Virginia Polytechnic Institute, has been appointed professor of plant physiology in the Citrus Experiment Station and Graduate School of Tropical Agriculture, recently established by the University of California at Riverside, California.

THE following appointments and promotions in the Stanford University Medical School

have been made for the year 1915-16: Dr. Charles Harvey Bailey, formerly connected with the Crocker Research Laboratory, New York City, has been made assistant professor of pathology. Dr. Henry Augustus Stephenson, formerly assistant in obstetrics and gynecology in the Johns Hopkins Medical School, has been made assistant professor of obstetrics and gynecology. Dr. George De Forest Barnett (M.D., Stanford, '13) and Dr. Jean Redman Oliver (M.D., Stanford, '14) have been made instructor in medicine and instructor in pathology, respectively.

THE following appointments were made at the last meeting of the executive committee of the Massachusetts Institute of Technology, the resignations of E. H. Magoon, assistant in civil engineering and Thomas Buel, research assistant in electrical engineering, being accepted. Dr. Barnum B. Libby and George Rutledge, instructors in mathematics; Clark S. Robinson and Clifton N. Jacobs, instructors in inorganic chemistry; Francis C. Atwood and Roscoe G. Dickinson, assistants in theoretical chemistry; John N. Dalton, assistant in organic chemistry; Charles H. Rosenthal, Robert V. Townsend and Donald A. White, research assistants in applied chemistry, and R. J. Wiseman and Albert C. Brown, research assistants in electrical engineering.

DR. CORNELIUS BETTEN has resigned the professorship of biology in Lake Forest College to become secretary of the College of Agriculture in Cornell University.

HOWARD B. LEWIS, Ph.D., instructor in physiological chemistry at the University of Pennsylvania, has been appointed an associate professor in the University of Illinois.

MESSRS. F. T. BROOKS, Emmanuel College, and R. H. Compton, Gonville and Caius College, have been appointed demonstrators of botany at Cambridge.

DR. J. SHOLTO C. DOUGLAS, lecturer on pathology in the University of Manchester, has been appointed to the Joseph Hunter chair of pathology in the University of Sheffield in succession to Professor Dean.